

pMC9 / Tag

Tag No. _____

year: pMC9 amplification, using du primers # 2722 & 2729

ag titration buffers < KlenTaq
 DeepVent

up to dNTP

prim primer each

py template pMC9 / Act II

Mg

80 (94° 30", 56° 30", 72° 30")

prepared 15 x w/o enzyme → added separately in 1x buffer

x buffer (D.V)	75	(K7) 75	5	} 50/1	1 ml
dNTP	15	15	2.5		.5
primer 1	7.5	7.5	2	} 10/1	2
primer 2	7.5	7.5	1.5		1.5
Mg	—	15.0	1	} 10/1	1
template	3.0	3.0	.5		.5
H ₂ O	642.0	627.0	0		0

distributed 50 µl / tube added enzyme.

0	1	2	(tube #)	16	17
1	3	4		18	19
2	5	6		20	21
3	7	8		22	23
4	9	10		24	25
5	11	12		26	27
6	13	14		28	29

0.01 15 30
 DeepVent mix

1x

DeepVent buffer

KlenTaq buffer

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Used & Understood by me,

Date

Invent d by

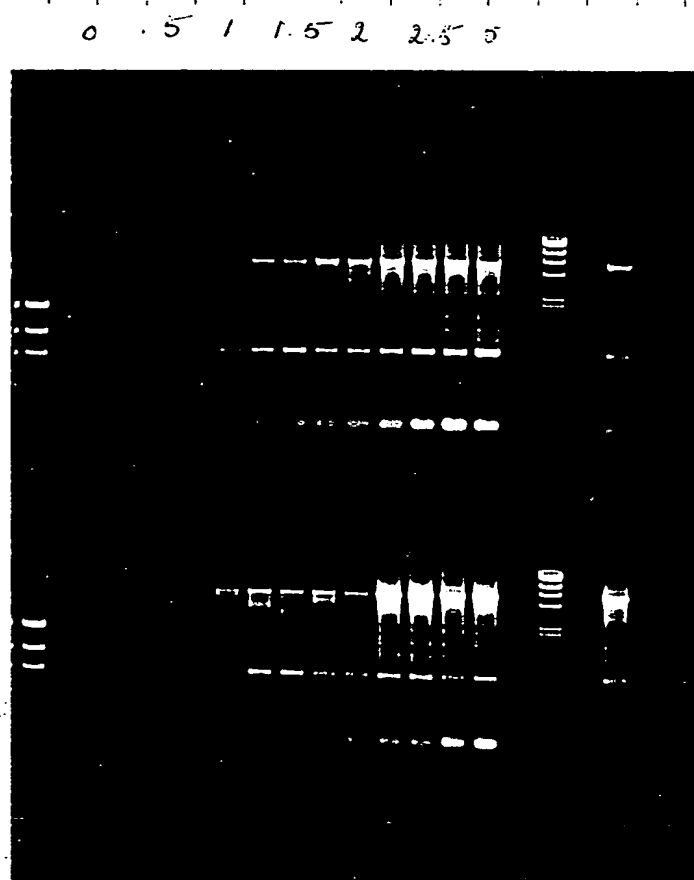
Date

Recorded by

11/22/94

K. Silverman

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Tag titration

← D.V. buffer

← K.T. buffer

0 0.5 1 1.5 2 2.5 5 1:0.01
max

Result: more product with increasing amount of Tag expected.

- K.T. B / 1U better than D.V. / 1U

- 1:0.01 better than 1U Tag alone.

- K.T. B more product than D.V. buffer

- But bit of misreading - adjust the cycling condition

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Witnessed & Understood by me,

Date

Invented by

Dat

R corded by

11/22/94

K. Subraman